IAP7 Rec'd PCT/FTO 17 JAN 2006

PTO/SB/21 (09-04)

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		Application Number	10/553,893
TR	ANSMITTAL	Filing Date	10/21/2005
	FORM	First Named Inventor	Chistyakov
		Art Unit	Not Yet Assigned
(to be used for	all correspondence after initial	Examiner Name	Not Yet Assigned
	cited References) Pages in This Submission	7 Attorney Docket Number	er ZON-005USN
		ENCLOSURES (Check a	all that apply)
Fe Amendme	emittal Form ee Attached ent/Reply fter Final	Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocat	Appeal Communication to Board of Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information
Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53		Change of Correspondence Terminal Disclaimer Request for Refund CD, Number of CD(s) Landscape Table on C	Status Letter Other Enclosure(s) (please Identify below): PTO Form 1449 (4 pgs.); Copies of References B1-B2 and C1-C14; and Return Receipt Postcard.
	SIGNA	TURE OF APPLICANT, ATT	TORNEY, OR AGENT
Firm Name	Rauschenbach P	atent Law Group, LLC	
Signature	That Paus	Sell	
Printed name	Kurt Rauschenbach		
Date	January 13, 2006		Reg. No. 40,137
I hereby certify th sufficient postage the date shown b	at this correspondence is t as first class mail in an er	ERTIFICATE OF TRANSMISS Deing facsimile transmitted to the USP Envelope addressed to: Commissioner to	SSION/MAILING SPTO or deposited with the United States Postal Service with r for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on
Signature	A A	Caustell .	_
Typed or printed in	name Kurt Rausch		Date January 13, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PATENTAttorney Docket No. ZON-005USN

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Chistyakov

SERIAL NO.: 10/553,893 GROUP NO.: Not Yet Assigned

FILING DATE: October 21, 2005 EXAMINER: Not Yet Assigned

TITLE: High Density Plasma Source

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. BOX 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. §1.97, Applicants hereby make of record the references listed on the accompanying Form PTO-1449 for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of References B1-B2 and C1-C14 are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed (CHECK ONE):

(1)	within three months of the Filing Date of a national application other than a continued prosecution application under § 1.53(d); or within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; or before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114; or
(2)	after the period defined in (1) but before the mailing date of a Final Action or Notice of Allowance, and
	the Statement required under § 1.97(e) below, OR
	the fee set forth in § 1.17(p), namely \$180.00, is included herein, or
(3)	after the mailing date of a Final Action or Notice of Allowance but before the payment of the Issue Fee, AND
	the Statement required under § 1.97(e) below; and

Information Disclosure Statement Serial No.: 10/553,893

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the fee set forth in § 1.17(p), namely \$180.00 is included herein.

It is respectfully requested that each of the references shown on the attached Form PTO-1449 be made of record in this application.

STATEMENT

As required under §1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]:

- 1. That each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
- That no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

FEE AUTHORIZATION

Applicants believe that there is no fee associated with this submission, however should it be determined that a fee is due, the Commissioner is hereby authorized to charge the missing fee to our Deposit Account No. 501211.

Respectfully submitted,

Date: January 13, 2006

Reg. No. 40,137

Tel. No.: (781) 271-1503 Fax No.: (781) 271-1527

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Kurt Rauschenbach

Atty/Agent for Applicant(s)

Rauschenbach Patent Law Group, LLC

Post Office Box 387 Bedford, MA 01730

PTO/SB/08a (08-03)
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO Application Number 10/553,893 Filing Date 10/21/2005 INFORMATION DISCLOSURE First Named Inventor Chistyakov STATEMENT BY APPLICANT Art Unit Not Yet Assigned **Examiner Name** Not Yet Assigned (Use as many sheets as necessary) Attorney Docket Number ZON-005USN

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	^{US-} 3,666,982	05-30-1972	Wiegand, Jr.	
	A2	^{US-} 4,953,174	08-28-1990	Eldridge, et al.	
	A3	^{US-} 5,015,493	05-14-1991	Gruen	
	A4	^{US-} 5,247,531	09-21-1993	Muller-Horsche	
	A5	^{US-} 5,795,452	08-18-1998	Kinoshita, et al.	
	A6	^{US-} 5,821,548	10-13-1998	Hinchliffe	
	A7	^{US-} 5,846,883	12-08-1998	Moslehi	
	A8	^{US-} 6,093,293	07-25-2000	Haag, et al.	
	A9	^{US-} 6,124,675	09-26-2000	Bertrand, et al.	
	A10		09-04-2001	Haag, et al.	
	A11	^{US-} 6,296,742 B1	10-02-2001	Kouznetsov	
	A12		05-28-2002	Savas	
	A13		07-02-2002	Wang, et al.	
	A14	· · · · · · · · · · · · · · · · · · ·	09-24-2002	Haag, et al.	
	A15	^{US-} 6,488,822 B1	12-03-2002	Moslehi	
	A16		12-06-2002	Moslehi	
	A17		02-08-2005	Chistyakov	
	A18	^{US-} 6,896,773 B2	05-24-2005	Chistyakov	

	FOREIGN PATENT DOCUMENTS							
Examiner Initials*			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ ⁶		
	Bl	WO 98/40532	09-17-1998	Chemfilt R & D	· · · · · · · · · · · · · · · · · ·	Г		
	В2	WO 01/98553 A1	12-27-2001	Chemfilt R & D	\$ 000000 B 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08a (08-03)

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			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A19		05-24-2005	Chistyakov	
	A20	^{US-} 6,805,779 B2	10-19-2004	Chistyakov	
	A21	^{US-} 2004/0060813 A1	04-01-2004	Chistyakov	
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	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ 'Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T€		
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Examiner Signature	/Haissa Philogene/	Date Considered 02/28/2008	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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Substitute fo	or form 1449B/PTO			Complete if Known			
				Application Number	10/553,893		
INFO	RMATION DI	SCLO	SURE	Filing Date	10/21/2005		
STAT	TEMENT BY	APPLI	CANT	First Named Inventor	Chistyakov		
				Art Unit	Not Yet Assigned		
	(Use as many sheets as	necessary,)	Examiner Name	Not Yet Assigned		
Sheet	3	of	4	Attorney Docket Number	ZON-005USN		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	C1	BOOTH, ET AL., The Transition From Symmetric To Asymemtric Discharges In Pulsed 13.56 MHz Capacitively Coupled Plasmas, J. Appl. Phys., 15 July 1997, Pgs. 552-560, Vol. 82, No. 2, American Institute of Physics.	
	C2	BUNSHAH, ET AL., Deposition Technologies For Films And Coatings, Pgs. 178-183, Noyes Publications, Park Ridge, New Jersey.	
••••••	C3	DAUGHERTY, ET AL., Attachment-Dominated Electron-Beam-Ionized Discharges, Applied Physics Letters, 15 May 1976, Pgs. 581-583, Vol. 28, No. 10, American Institue of Physics.	
••••••	C4	GOTO, ET AL., Dual Excitation Reactive Ion Etcher For Low Energy Plasma Processing, J. Vac. Sci. Technol. A., Sep/Oct 1992, Pgs. 3048-3054, Vol. 10, No. 5, American Vacuum Society.	
	C5	KOUZNETSOV, ET AL., A Novel Pulsed Magnetron Sputter Technique Utilizing Very High Target Power Densities, Surface and Coatings Technology, 1999, Pgs. 290-293, Vol. 122, Elsevier Science S.A.	
	C6	LINDQUIST, ET AL., High Selectivity Plasma Etching Of Silicone Dioxide With A Dual Frequency 27/2 MHz Capacitive RF Discharge.	
	С7	MACAK, Reactive Sputter Deposition Process Of Al203 And Characterization Of A Novel High Plasma Density Pulsed Magnetron Discharge, Linkoping Studies In Science And Technology, Pgs. 1-2.	
	C8	MACAK, ET AL., Ionized Sputter Deposition Using An Extremely High Plasma Density Pulsed Magnetron Discharge, J. Vac. Sci. Technol. A., Jul/Aug 2000, Pgs. 1533-1537, Vol. 18, No. 4., American Vacuum Society.	
	С9	MOZGRIN, ET AL., High-Current Low-Pressure Quasi-Stationary Discharge In A Magnetic Field: Experimental Research, Plasma Physics Reports, 1995, Pgs. 400-409, Vol. 21, No. 5.	
	C10	ROSSNAGEL, ET AL., Induced Drift Currents In Circular Planar Magnetrons, J. Vac. Sci. Technol. A., Jan/FEb 1987, Pgs. 88-91, Vol. 5, No. 1, American Vacuum Society.	

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